

## **COBOL-IT Developer Studio Version 2.0.0 has been released**

Paris- May 31, 2018

COBOL-IT Developer Studio Version 2.0.0 has been released and is available for download. Developer Studio Version 2.0.0 includes upgrades to software libraries used in Developer Studio and underlying much of the functionality in the Developer Studio Perspective, Debugger Perspective and Remote System Explorer Perspective. Prior functionality has been preserved, with support for Projects created in previous versions of Developer Studio 1.8.x and later.

Developer Studio Version 2.0.0 is available for use with the Kepler build of Eclipse, which requires the JRE 6, and for use with the Neon build of Eclipse, which requires the JRE 8.

The Developer Studio Version 2.0.0 provides access to a range of new utilities, which are designed to improve programmer productivity, with new utilities aimed at enhancing the use of the Developer Studio team environments and DevOps environments. Developer Studio provides users with the ability to develop more rapidly and to more easily validate high quality, high performance code.

For more details on the new Utilities introduced in Developer Studio 2.0.0, see : “Getting Started with Developer Studio- The Utilities”. New Utilities include:

### **The Data Displayer**

The Data Displayer supports the browsing of relative, line sequential and binary sequential files, and the browsing and editing of indexed sequential files. Users can adapt the display characteristics by selecting from multiple KEYS described in the SELECT statement, from multiple RECORD formats described in the FD, and by setting START keys and conditions.

### **Code Coverage**

Code Coverage records which parts of your COBOL code are executed during a particular runtime launch. Programs compiled with the code coverage compiler flag produce coverage information that is presented in the Coverage view. Source Code in the COBOL Code Editor is automatically decorated to demonstrate whether lines of source were executed or missed in the run.

### **The Profiler**

Programs compiled with the profiling compiler flag produce profiling data that is presented in the Profiler View which includes Runtime and Paragraph tabs. In the Runtime tab, you have access to Memory and CPU usage, displayed in real time. In the Paragraph tab, you have access to paragraph-oriented statistical data, including number of times entered, time elapsed, CPU time elapsed, external calls, and time elapsed in external calls.

### **Git Perspective**

The Git Perspective provides the ability to create a source code repository locally, or to access an existing source code repository hosted on the web. In addition to being the most widely-used open-source source code control system, Git provides mechanisms to set triggers for automated test servers such as Jenkins operating in the DevOps delivery cycle.

### **RSEGit Perspective**

RSEGit requires an RSE connection and an existing Git repository on the remote machine. With Developer Studio 2.0.0, users can create a remote project using the remote Git repository, and have access to Git functionalities.

### **Mylyn Task Manager**

Mylyn is the task and application lifecycle management (ALM) framework for Eclipse. With connectors to popular issue management tools, Mylyn integrates other ALM tools into the Developer Studio as well, allowing it to greatly enrich the developer's experience.

Other important enhancements include:

### **New interface for managing compiler flags**

Developer Studio 2.0.0 also includes an updated interface for managing compiler flags. Updates have been made to the Window>Preferences>COBOL>Compiler, and Project>Properties>COBOL Properties dialog screens. Select the Enable source settings checkbox to enable compiler flag and script settings.

For more details, see "Getting Started Using the Developer Studio- The Basics".

### **Updated documentation**

The entire document set has been updated. Documents have been updated to include new screenshots, and have been designed to be more easily searchable.